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FIG. 6.

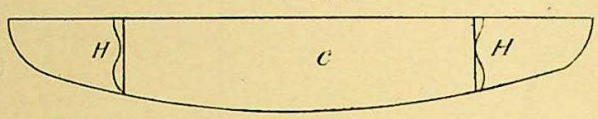


FIG. 5.

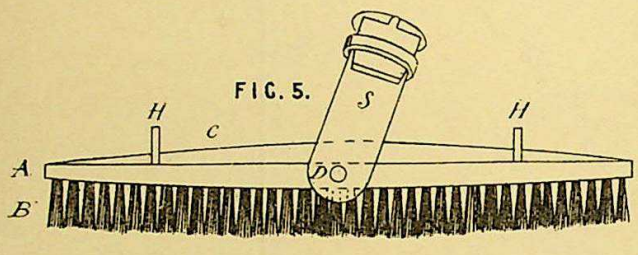


FIG. 3.

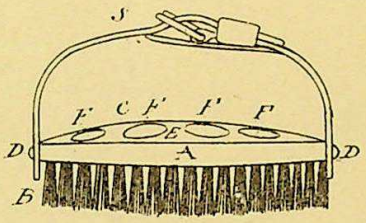


FIG. 7.

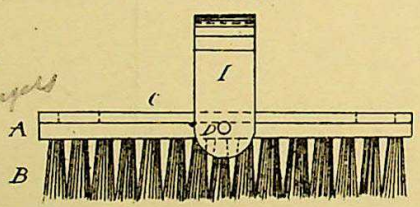


FIG. 8.

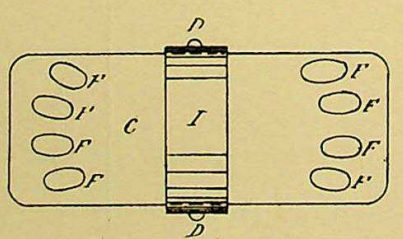


FIG. 4.

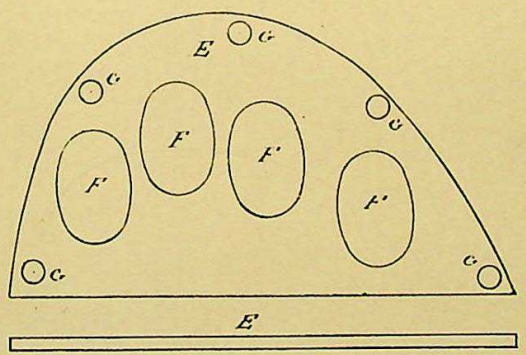


FIG. 11.

FIG. 10.

Malby & Sons, Photo-Litho.

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Brushing & Scrubbing
Hand Brushes & Pieces,
Horse Brushes.

A.D. 1880, *24th February.* N° 812.

# Brushes.

LETTERS PATENT to Isaac Evans, of Birmingham, in the County of Warwick, for an Invention of "CERTAIN IMPROVEMENTS IN BRUSHES."

PROVISIONAL SPECIFICATION left by the said Isaac Evans at the Office of the Commissioners of Patents on the 24th February 1880.

ISAAC EVANS, of Birmingham, in the County of Warwick. "CERTAIN IMPROVEMENTS IN BRUSHES."

My Invention consists of certain improvements in brushes herein-after described, substantially of the following construction or arrangement of parts.

This Invention appertains to that class of brushes which are made with tufts of bristles secured in the body of the brush.

I will now describe my Invention :—

1. I construct the body of the brush as hitherto, in the back of which I form a series of recesses or indentions by means of piercing or impressing or otherwise.

2. To brushes already manufactured I construct separate parts, composed of leather, wood, metal, or other material in form corresponding to the back to which the same may be applied ; these are also pierced as above described, and affixed to the said back by means of nails, screws, cement, or other convenient manner.

3. I may form the body and back of the brush by employing moulds in two parts so prepared that when a substance or material susceptible of being rendered plastic by heat is compressed therein it will receive the indentions or recesses.

4. I arrange the back strap, employed to a certain class of brushes, by means of metallic eyelets affixed to both ends of the said strap, through which is passed pins, and these entering both sides of the body of the brush, thus working in any required position.

The object aimed at by this my said Invention is as follows :—

The back strap, being moveable, allows the hand to enter and rest with greater freedom and ease.

The fingers finding their bearing in the indentions or recesses a firmness of grip is imparted when in manipulation.

[Price 6d.]

SPECIFICATION in pursuance of the conditions of the Letters Patent filed by the said Isaac Evans in the Great Seal Patent Office on the 23rd August 1880.

ISAAC EVANS, of Birmingham, in the County of Warwick. "CERTAIN IMPROVEMENTS IN BRUSHES."

My Invention consists of certain improvements in brushes herein after described, substantially of the following construction or arrangement of parts.

This Invention appertains to that class of brushes which are made with tufts of bristles or other material secured in the body of the brush.

I will now describe my Invention :—

1. I construct the body of the brush as hitherto, in the back of which I form a series of recesses or indentations by means of piercing or impressing or otherwise.

2. To brushes already manufactured I construct separate parts composed of leather, wood, metal, or other material, in form corresponding to the back to which the same may be applied; these are also pierced as above described, and affixed to the said back by means of nails, screws, cement, or other convenient manner.

3. I may form the body and back of the brush by employing moulds in two parts, so prepared that when a substance or material susceptable of being rendered plastic by heat is compressed therein it will receive the indentations or recesses.

4. I arrange the back strap employed to a certain class of brushes by means of metallic eyelets affixed to both ends of the said strap, through which is passed pins, and these entering both sides of the body of the brush, thus working in any required position.

The object aimed at by this my said Invention is as follows :—

The back strap, being moveable, allows the hand to enter and rest with greater freedom and ease.

The fingers finding their bearing in the indentations or recesses a firmness or grip is imparted when in manipulation.

But as my Invention will be best understood aided by a reference to the Drawings hereunto annexed I will proceed to describe the same, reference being made to the Figures and letters marked thereon (that is to say) :—

Fig. 1 is a side view elevation of a brush employed for stable purposes with part of my improvements; Fig. 2, a plan view of same; Fig. 3, end view; Fig. 4, part of same detached; Fig. 5 is also a stable brush side view elevation; Fig. 6, half plan of same; Fig. 7 is a side view elevation of a toilet brush; Fig. 8, plan view of same; Figs. 9 and 10 are side views elevation of brushes employed for domestic purposes; Fig. 11, plan view of Fig. 10.

The same letters of reference indicate the same parts in the several Figures of the Drawings.

A is the body of the brush which receives the tufts of bristles or fibres B; C is the back to which is affixed the buckled strap or band of leather S, or other yielding material, as illustrated by Figs. 1, 2, 3, 5; this said band is connected to the body A by means of a stud forming a pivot D upon both its sides, thus allowing S to move in either desired direction; in Fig. 1 it takes a vertical line, Fig. 5 oblique; E is a form corresponding to the ends of the back C, composed of leather, wood, metal, or other suitable material, having a series of perforations F, and secured to the ends of C by the nails G or other convenient manner.

By reference to Figs. 5 and 6 it will be seen that I dispense with the forms E, as above described, and substitute the corrugated bars H as an equivalent. When the hand is passed under S and finds its position the forebends of the fingers rest upon H and a firmness is imparted.

In Figs. 7 and 8 I dispense with the yielding buckled strap, and employ I, composed of bone, metal, or other material, and so formed as to be rigid, but still

moving upon the studs or pivots D to the convenience of the hand. I also arrange the back C to receive the perforations, and finally the same is secured to the body A as hitherto.

By reference to Fig. 9 it will be perceived that I propose to arrange a series of recesses, J, J, J, J, in lieu of perforations F, and, for purposes above described, upon both the sides of the brush.

In Figs. 10 and 11 the back C is composed of a substance that is rendered plastic by heat; the recesses J, J, J, J, together with the ornamentation or pattern, are produced by means of moulds specially provided, into which the said substance is compressed.

Having now described and ascertained the nature and object of this my said Invention, and the manner in which the same may be practically carried into effect, nevertheless I wish to observe that the mode that may be pursued can be varied according to the skill or appliances of the artisan employed in producing the same, without affecting the principle or character of this Invention.

What I claim as new and original, and desire to be secured to me by the herein before in part recited Letters Patent for "Certain Improvements in Brushes," are,—

First. The application, combination, or arrangement of parts, perforated, or recessed, substantially as and for the purposes herein before set forth and described.

Second. The construction and arrangement of parts, described as the band or backstrap working upon pivots, substantially as herein before set forth and described, or any mere modification thereof.

In witness whereof, I, the said Isaac Evans, have hereunto set my hand and seal, this Twenty first day of August, in the year of our Lord One thousand eight hundred and eighty.

ISAAC EVANS. (L.S.)

Witnessed by
THOMAS KENDRICK.

LONDON: Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty.
For Her Majesty's Stationery Office.

1880.